THE. METHODS AND DEVICES FOR CHARACTERIZING DUPLEX NUCLEIC ACID

Application No.: 09/990,102
Docket No.: UCAL-199
Substitute Figure 3C (Marked-Up Copy)

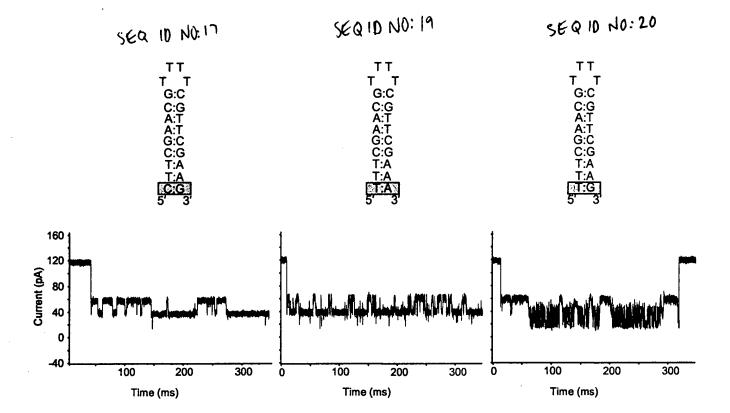


Figure 3c

THE: METHODS AND DEVICES FOR CHARACTERIZING DUPLEX NUCLEIC ACID MCCULES

Application No.: 09/990,102
Docket No.: UCAL-199
Substitute Figure 3C (Clean Copy)



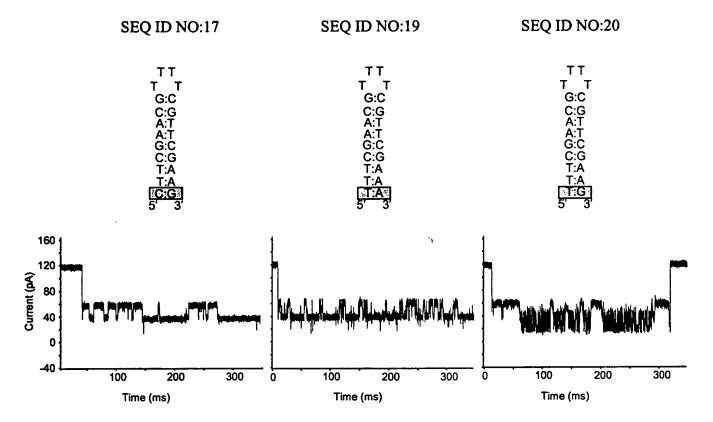


Figure 3c

CHARACTERIZING DUPLEX NUCLEIC ACID
ECULES
icant: A\$\(\cent{C}\) \(\cdots\)
Application No.: 09/990,102
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Substitute Figure 8 (Marked-Up Copy)

	lairpins used in this study. Primary sequence reads from 5' end at bottom left to 3' end at bottom right. Each hairpin has a 9 base-	and a four dT loop. The terminal base-pair and its nearest neighbor are highlighted by a box. These are the base-pairs in closest	pore limiting aperture when a given hairpin is captured in the $lpha$ -hemolysin vestibule.
1	Table X. DNA hairpins used in this study	pair-long stem, and a four dT loop. The t	proximity to the pore limiting aperture wh

569 P	L 0 0 4 4 6 0 0 1 4 4 6 0 0 1 4 6 0 0 1 4 6 0 0 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1	9bpTA/AT
SEQ 19 No: 21	F	9bpAA/TT
SEQ (8	F	9bpCA/GT
560 10 No: 19		9bpGA/CT
SEQ 10 NO:18	F	9bpFT/AA
01 695 11:0N	F	9bpTT/TA
560 10 NO: 16	F	9bpTT/GA
\$60 10 NO: 15	F C O C C C C C C C C C C C C C C C C C	9bpTT/AA
568 19 NO: 14	L 0 0 4 4 0 0 1	9bpAT/TA
SEQ 10 N0:13	L 0 0 4 4 0 0 1	9bpCT/GA
515 16 NO: 12		9bpGT/CA



THE: METHODS AND DEVICES FOR CHARACTERIZING DUPLEX NUCLEIC ACID MONTHS.

Applicant. AKESON Application No.: 09/990,102 Docket No.: UCAL-199 Substitute Figure 8 (Clean Copy)



Table 2. DNA hairpins used in this study. Primary sequence reads from 5' end at bottom left to 3' end at bottom right. Each hairpin has a 9 base-pair-long stem, and a four dT loop. The terminal base-pair and its nearest neighbor are highlighted by a box. These are the base-pairs in closest proximity to the pore limiting aperture when a given hairpin is captured in the α -hemolysin vestibule.

Figure 8

NO: 21 NO: 22	L	3T 9bpAA/TT 9bpTA/AT
SEQ ID NO: 20	F	9bpCA/GT
SEQ ID NO:19	F	9bpGA/CT
SEQ ID NO: 18	F	9bpFT/AA
SEQ ID NO: 17		9bрТТ/ТА
SEQ ID NO: 16		9bpTT/GA
SEQ ID NO: 15		9bpTT/AA
SEQ ID NO: 14	F	9bpAT/TA
SEQ ID NO: 13	CODA A OOF CODA C	9bpCT/GA
SEQ ID NO:12	C	9bpGT/CA